

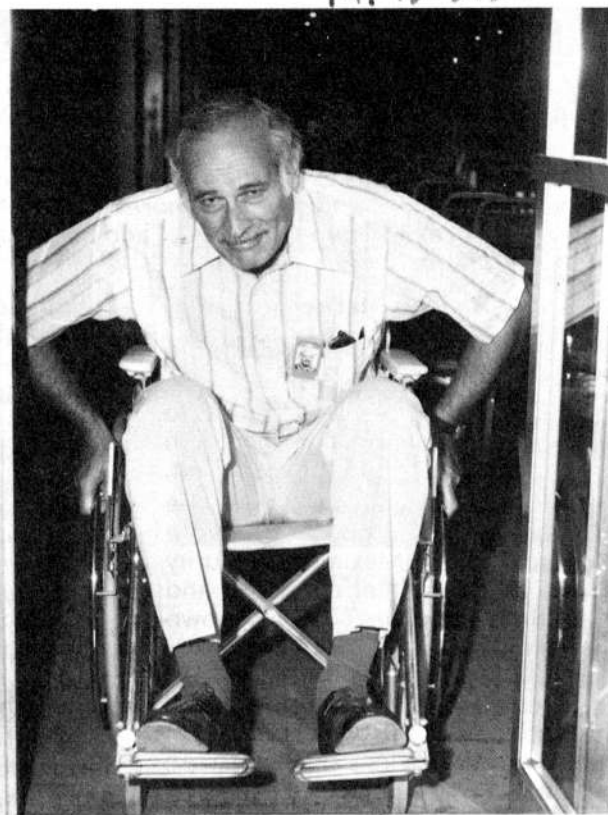
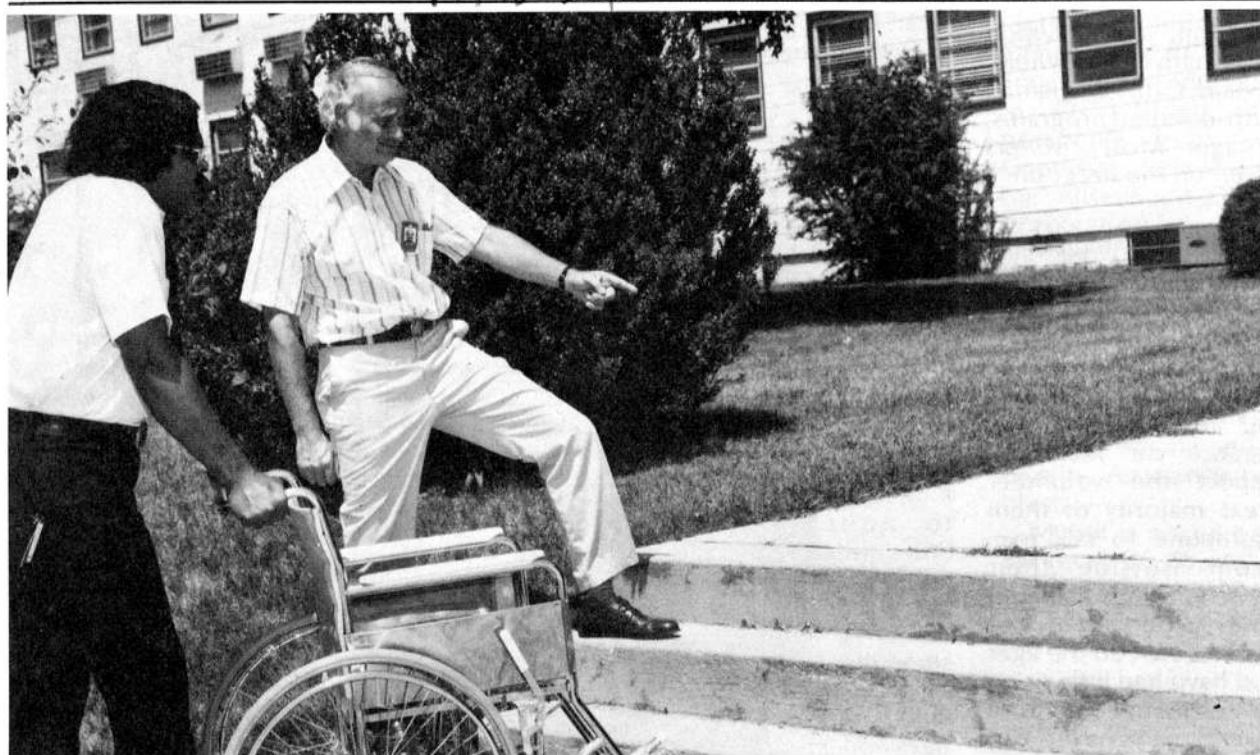
# NUCLEAR DIVISION NEWS

a newspaper for employees of the nuclear division • union carbide corporation

UNION  
CARBIDE

Vol. 9/No. 16 August 3, 1978

PH 78-3040



## ORGDP committee inspects handicapped barriers

ORGDP, as part of an expanded Nuclear Division effort, has recently implemented several activities designed to expand employment opportunities for the handicapped. These include evaluation of future job openings for which qualified handicapped candidates can be considered and evaluation of current structures and facilities to determine how existing architectural barriers can be removed.

A "Selective Placement Committee" has been developed to help evaluate a job applicant's handicap in relation to the job for which the individual has applied. A major consideration involves ensuring the safety of the applicant and the co-workers who may work in a particular area. The committee is chaired by B. Wayne McLaughlin, affirmative action coordinator. Other members include Dr. T. Guy Fortney, medical director; B. I. V. Bailey, safety director; and Karen B. McLaughlin, Employment Department. Ad Hoc members of the committee include Harry G. Conner, Personnel Relations Department; Melody C. Turner, Maintenance Engineering; and Max Feinbloom, Civil and Architectural Engineering.

*Determine existing barriers, then develop a plan for removing them.*

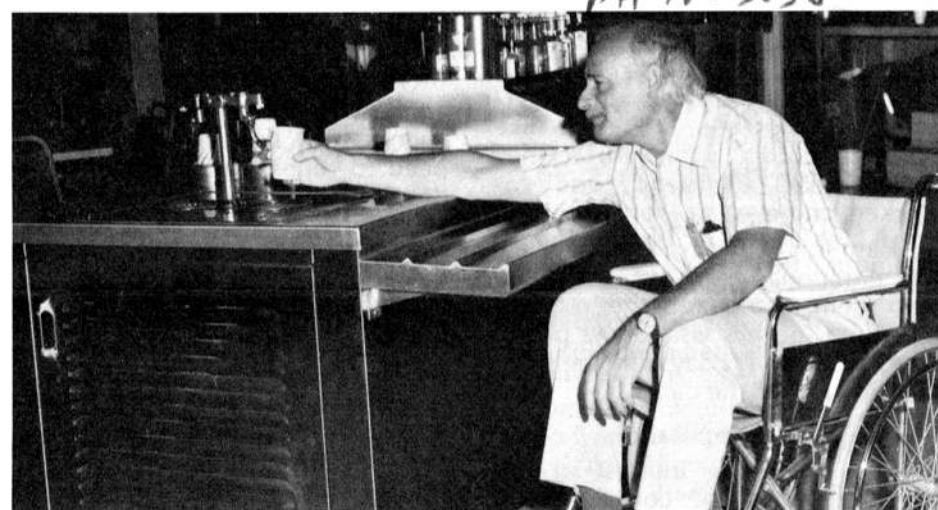
"One of the most difficult tasks that we face is determining the existence of architectural barriers in existing structures and facilities and developing a practical plan for

removing these barriers," Wayne McLaughlin said.

*'Wheelchair tour' graphically demonstrates barriers for handicapped.*

McLaughlin and Feinbloom recently obtained a wheelchair from ORGDP's Medical Department and toured several facilities to evaluate the existence of architectural barriers and to develop a workable plan for barrier removal. They also visited several federal buildings in the Oak Ridge area to determine what accommodations have been made in these buildings to make them more accessible to the physically handicapped.

"There are both federal and state codes which cover accommodations required for the handicapped," said Feinbloom. "All new ORGDP structures will be built in accordance with the codes. However, we thought it to be extremely important to gain some first-hand knowledge to determine what can be done at ORGDP."



**OBSTACLE SURVEY**—The special committee at ORGDP recently surveyed obstacles to the handicapped throughout the plant. In the upper left photo Max Feinbloom shows Way McLaughlin one of the obvious barriers to an individual in a wheelchair. In the upper right photo, Feinbloom indicates a threshold obstacle at an entrance. In the lower photo, he demonstrates a water dispenser barely within reach of the individual.

## Corporate world of Union Carbide....

**Union Carbide Corporation's** second quarter 1978 net income totaled \$106.8 million, an increase of four percent over the \$102.6 million earned in the same quarter last year. The second quarter net income was 35 percent higher than the first quarter total of \$78.9 million.

Earnings per share in the second quarter of 1978 amounted in \$1.65 compared with \$1.62 in the second quarter last year.

Net income for the first half of 1978 totaled \$185.7 million, slightly more than the comparable 1977 total of \$184.1 million. On a per share basis, the six-month 1978 earnings were \$2.87 compared with \$2.94 in 1977. The 1977 per share figure is based on a weighted average of 62.7 million shares outstanding, compared with 64.6 million shares outstanding at the end of June this year.

Union Carbide's sales for the second quarter and first half of 1978 reached record levels. In the second quarter they amounted to \$1.98 billion, up 11 percent over the \$1.78

billion in the same period of 1977; in the first half sales totaled \$3.80 billion, 10 percent higher than last year's \$3.46 billion.

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**Union Carbide Corporation's Films-Packaging Division** has announced the start-up of full scale operations at its recently completed cellulosic casings manufacturing plant in Osceola, Ark. At the same time, the corporation said that its French affiliate, Viscora, S.A., will begin manufacturing operations at a new facility in Thaon-Les-Vosges in the fall. Together the plants represent a capital investment of more than \$75 million.

Union Carbide is the leading worldwide supplier of cellulosic casings to the processed meats industry. "These two plants, along with the division's existing facilities, will ensure our ability to supply the casing needs of food processors located on six continents rapidly and efficiently," according to George E. Bailie, Films-Packaging Division president.

## Stock purchase plan improved

Participants in the Personal Investment Account (PIA) of the Savings Plan choosing Union Carbide stock as an investment option will benefit from the new Dividend Reinvestment Plan announced recently.

Dividends on stock held in the PIA will be reinvested in stock as usual. However, under the new plan, stock purchased with dividend money will be acquired at a five percent discount

from the average market price at the time of the purchase. This new feature will be effective with the dividend payable September 1, 1978.

Employees with three or more years of Company Service Credit are eligible to participate in the PIA.

Those who wish to enroll in the PIA or change their investment allocation to take advantage of the Dividend Reinvestment Plan should see their Benefit Plans representative.



## Different drummer. . .

# Paducah employee goes to prison. . .regularly

(Editor's Note: Don Copeland, PGDP's Cascade Division, joined Union Carbide in 1951. A veteran of the U.S. Marine Corps, he is a native of Mayfield, Ky., where he lives with his wife, Betty, and children, Donald, Cathy and Jamie.

Active in Boy Scouts, Little League and many other youth-oriented programs, Copeland began visiting prisoners more than three years ago. "Most prisoners come from broken homes," he says, "and many have been on the street since they were 10 or 12 years old.")

By Darlene McPherson

Every week Don Copeland goes to prison.

And yet, every week he reports to work as a cascade shift coordinator in the Nuclear Division's Paducah Plant.

How can these two contrasts be possible? Because Copeland visits the Kentucky State Maximum Security Prison as a volunteer counselor and the "time he serves" is of his own choosing.

This is not the case for the 1,200 inmates confined at the state penal institution. The prisoner becomes in actuality something similar to an animal who responds to conditioning. When a bell rings, he eats; when a bell rings, he sleeps; when a buzzer sounds, he works, etc.," he said.

Copeland became involved in prisoner counseling three years ago after he and his wife attended a banquet held at the prison. "I guess I expected the men to look like hardened criminals, when in fact they looked like my friends and co-workers and even my sons," he said.

"I am impressed by their physical and emotional needs when I talked with them," Copeland added. Since that time, he has visited the prison every week on his day off to help the men in any way he can.

### Formal application

After expressing interest in the program, Copeland completed an application and was interviewed by prison officials. Upon acceptance, he was given an orientation which included the statement that in the case of an incident where one of the volunteers was taken hostage, no deals would be made with inmates for

hostage release. The volunteers were assured that every effort would be made to secure their safe release; however, the administration could not meet prisoner demands to do so.

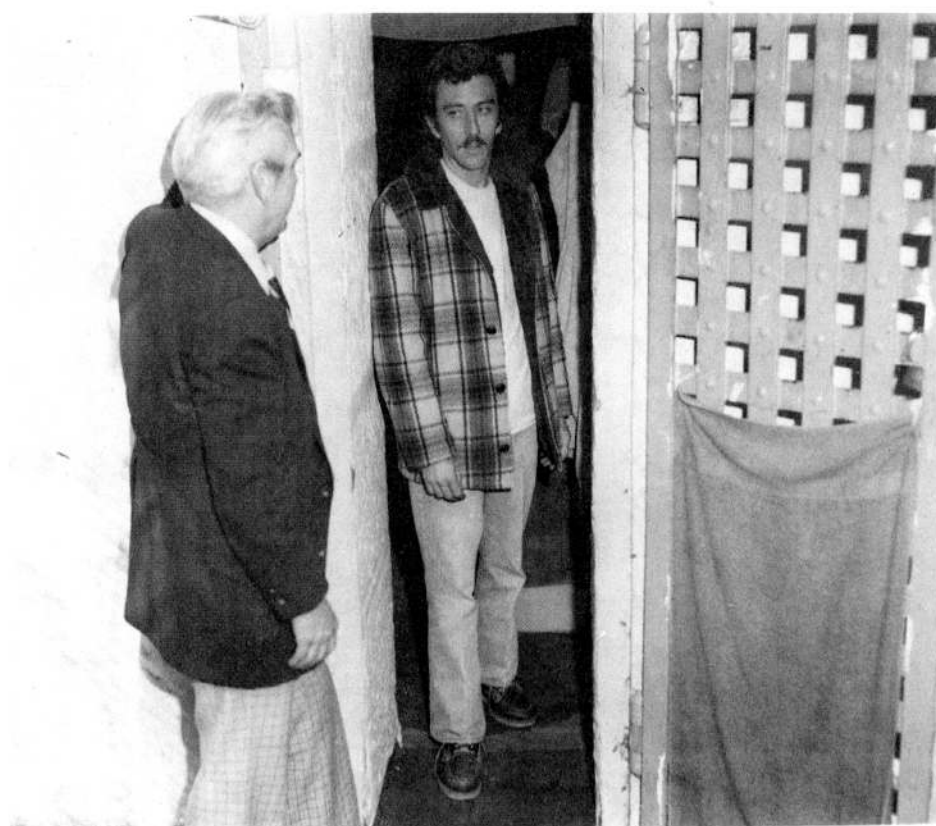
The volunteers enter at their own risk. Copeland finds this to his advantage because he feels the prisoners respect the volunteer efforts. "A great majority of them simply want someone to talk to—someone from outside their environment," he said. According to Copeland, some 90 percent of the convicted men are between the ages of 19 and 28 and have had little or no education. Most of them come from broken homes and many have been "on the street" since age 10 or 12. "After confinement, families often turn away, leaving the men totally alone," Copeland said.

### Visits solitary cells

On an average visit, Copeland arrives at the prison around 9 a.m. and checks with the chaplain. He may need to report to an inmate of any developments on a particular project or he may draw up a whole new schedule. He usually sees between five and eight men each visit.

The volunteers have what is termed the "run of the hill," which means they have access to the regular prison population in and around the prison courtyard. Volunteers may also gain entrance to "three-cell house"—solitary confinement for inmates who break an administrative or civil law. "Those visits are usually limited to 30 minutes or less," Copeland said.

After "lock-up time" at 4:30 p.m., Copeland often meets with the Wit and Wisdom Christian Club he sponsors. Discussions serve as group



**SOLITARY CONFINEMENT**—Volunteers have access to the "three-cell house," better known as solitary confinement. Copeland briefly stops by to call on an inmate who has broken a prison rule. These calls are limited to 30 minutes.

therapy on topics such as life, drug abuse and self-help. The prison does not employ professional psychiatric or psychological staff. "There are so many stories of lives that have changed because we (the volunteers) cared," he said.

### Serves as link

Copeland also provides assistance to parolees by serving as a link with the outside world in securing "job and home placement" which is required prior to their release. He has taken two men into his home to help fulfill parole requirements.

Other volunteer duties occasionally include transporting men to family funerals or to their home placement following parole. Copeland has had numerous

experience in these volunteer activities including a fueding family of snake handlers in Eastern Kentucky. One of the success stories he likes to recall involved returning one young man to his family of 16, nine of whom were boys and seven of whom had been imprisoned. At last contact, the young man's parole record was unblemished.

Of course, a certain amount of frustration always accompanies the rewards in a volunteer effort. A 23-year-old parolee whom the Copeland family "instantly adopted" remained with them no more than a week before he was imprisoned again. "The men become institutionalized to a degree," Copeland explained,

(Please see page 8)



**OFFERS COUNSEL**—Face-to-face contact, showing that somebody cares, often motivates an inmate to attempt a trade or take up a hobby. "A great majority of them simply want someone to talk to," Copeland states.



**PRISON ARTIST**—Don Copeland, left, admires the work of a Kentucky State Maximum Security Prison inmate. Copeland helped the prisoners obtain some of their art supplies and now consults with the "artists in residence."



## question box...

If you have questions on company policy, write the Editor, **Nuclear Division News** (or telephone your question in, either to the editor, or to your plant contact). Space limitations may require some editing, but pertinent subject matter will not be omitted. Your name will not be used, and you will be given a personal answer if you so desire.

### 'Forced' retirement act

**QUESTION:** How will the recent changes in the "forced" retirement age effect the Carbide benefits package?

**ANSWER:** We do not know at this time. The matter is still being studied by Union Carbide. The law does not become effective until January 1, 1979, at the earliest.

### Blood donations

**QUESTION:** Both management and employees at Paducah are to be commended for the success of their blood drives (**Nuclear Division News**, October 27). Is there not a conflict in Plant policies when we at ORNL are not even given time off to go for a blood donation?

**ANSWER:** Over the years, we have considered the possibility of permitting the bloodmobile to visit at Oak Ridge installations, but have not done so in recent years primarily because of the difficulty of providing necessary space in a way to stay within our security regulations. As a result of your question, this matter was reviewed again and, as you know, it was announced recently that the bloodmobile would visit the Oak Ridge National Laboratory on August 2. If satisfactory arrangements regarding space can be worked out, there will also be visits at Y-12 and ORGDP.

### Unsafe autos?

**QUESTION:** A great deal of effort is put into stressing safety on and off the job. How come, then, that employees are allowed to drive government cars that are not maintained and are death traps? We should get hazard pay just for having to drive some of these cars around the plants.

**ANSWER:** All government cars are required to be inspected twice a year by garage personnel and necessary repairs scheduled to be completed for safety and dependability. It is the driver's responsibility, in between these inspection periods, to report defective tires, brakes, steering, etc., and get the necessary repairs made.

We are not aware of any government cars that are unsafe. They should be safe with the inspection schedule and the individual drivers carrying out their own responsibilities for seeing that cars are in a safe operating condition.

### Life-saving courses

**QUESTION:** Your answer to my question regarding the possibility of instructing employees on pulmonary resuscitation and the Heimlich Method of treating choking victims, was not satisfactory. Red Cross lessons are normally given during working hours. Why can't these first aid methods be taught during our safety meetings?

**ANSWER:** Safety meetings topics are selected by the organizational unit involved. They are intended to address the priority needs of the group and provide an opportunity for the personal involvement of all employees in the safety program.

As indicated in our December 22, 1977 answer to your question, a condensed presentation of cardiopulmonary resuscitation, and the Heimlich Method for treating choking victims, with use of visual aids, can be presented at safety meetings. The Red Cross Multimedia First Aid Course presented by a qualified instructor is an excellent first aid training course; however, due to the time (eight hours) and instructor training requirements, it cannot be scheduled during safety meetings.

### Coffee profits

**QUESTION:** One of the locations in Building K-1008-C at ORGDP is charging 15 cents for a cup of coffee. This is not the vending machine brew. Where is the profit going?

**ANSWER:** Those in charge of this coffee service indicate that the profit is normally returned to the employees through free coffee and cokes, or is used for contributions to flower funds, to the Daniel Arthur Rehabilitation Center, to the Milk Fund, or for other worthwhile causes.

### Solar home story

**QUESTION:** Your story on an ORGDP engineer designing his own solar home (February 16 issue) seems to advertise the heating systems installed in the two homes. Why not give equal free space to those of us in the heating business?

**ANSWER:** Engineers Pete Scott, ORGDP and David L. Haynes, ORNL, did design their own solar homes in the Hartland Estates area, just outside Oak Ridge. The story was run for its general interest and not to promote the services of the two engineers. Their two homes are the only ones they have designed and the equipment all came from area suppliers of collector panels, ductwork, etc., necessitated by the construction. While the two did much of their own labor during the installation of the heating systems, they are not in the solar house business.

## Energy tips...

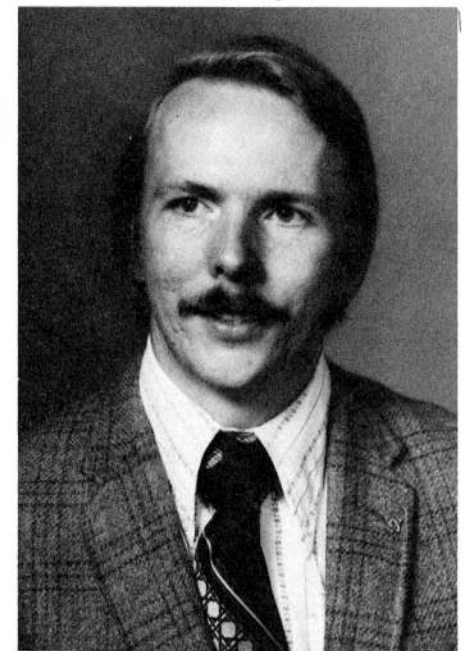
Are you planning to remodel your kitchen? Remember not to build cabinets or counters too close to the refrigerator. If you want the "built-in" look, be sure to leave enough space for air to circulate around the refrigerator. If air flow is restricted, heat can build up and the air compressor must then work harder and longer—and waste energy!

## Mundt new Quality Assurance manager

Frederick D. Mundt has been named manager of quality assurance for the Operating Contractors Project Office (OCPO) Gas Centrifuge Enrichment Plant. The office, located in Oak Ridge, is staffed with personnel from Union Carbide, Goodyear Atomic Corporation and the AiResearch Division of Garrett Corporation.

Mundt came with Union Carbide in 1967 at Y-12 in the Development Division, later transferring to Product Certification. In 1975 he transferred to the ORGDP Laboratory Division, managing the Vendor and Equipment Evaluation Department. Two years later, he was named director of the Quality Assurance program for the plant.

Mundt is a native of Geneva, N.Y. He received BS and MS degrees in physics from the University of Tennessee. He and his wife, the former Margaret Diane McLemore of



Frederick D. Mundt

Knoxville, live at Route 2, Powell. They have three children, Elizabeth Douglas and Michael.

## division deaths...



Mr. Byers

David E. Byers, Paducah Fabrication Shop, Maintenance Division, died in a drowning incident July 23. He joined the Nuclear Division January 1, 1974. Mr. Byers is survived by his parents, Mr. and Mrs. Eugene Byers, and a brother, Dennis, who works in the Purchasing Department at Paducah.

Services were held July 26 at the Collier Funeral Home, Benton, Ky.



Mr. Fox

Bobbie E. Fox, an ORNL employee, died Sunday, July 23. A Carbide employee for 20 years, Mr. Fox worked as a pipefitter in the Plant and Equipment Division.

Survivors include his wife, Jonnie, who lives at 406 8th Avenue, Lenoir City; daughters, LeAnn, Susan and Frances Blackburn (an ORNL employee); sister, Betty; brother, Joe; and two grandchildren.

Graveside services were held at Woodlawn Cemetery, Lenoir City.



**A CLEAN SHAKE**—Several PGDP groups received "Awards of Excellence" from the 1978 Spring Clean-Up Committee recently. Awards were presented to groups cited for outstanding efforts during the '78 Clean-Up Campaign. Receiving awards were back from left, Jim Wiggins, Frankie Baker, Roads and Grounds Department; Ken Andrews, Graphic Arts; Bill Dupree, Fabrication Shops; Bob Nelson and Don Hussey, Technical Services. Recipients not pictured were Ben Whiteaker and R. D. Galloway. Presenting the awards were front from left, Ken Carpenter, campaign chairman and Bill Thomas, assistant plant manager.



3705-78



### Canoe instruction begins August 14

Safety first is a prevailing theme in the basic canoe instruction course taught by certified American Red Cross instructors, many of whom are Nuclear Division employees.

The next course begins Monday, August 14, at the canoe area, Clark Center Recreation Park. Usually there is one instructor for every six course participants. To sign up, call the Red Cross office in Oak Ridge.

### Secretarial courses set at Oak Ridge

Special courses in preparation for the Certified Professional Secretary examination will begin on August 31. Under the sponsorship of the Oak Ridge Chapter of the National Secretaries Association, the following courses will be offered:

**Office Procedures and Administration**, August 31, through October 5, Nora Locke and Ray V. Thatcher, instructors;

**Economics and Management**, October 2 through November 6, David Krehnke, instructor;

**Business Law**, November 7 through December 12, Dorothy Stulberg, instructor;

**Behavioral Science in Business**, January 3 through February 7, William S. Akers Jr., instructor;

**Communications and Decision Making**, February 5 through February 26, Ray Smith, instructor;

**Accounting**, February 28 through May 2, Carl Butcher, instructor.

All classes will be held at the Oak Ridge High School from 6:30 p.m. to 9:30 p.m., and are approved under the Carbide Educational Assistance Program for partial reimbursement upon satisfactory completion of the work.

Membership in NSA is not a prerequisite for taking the CPS Examination. The above-scheduled classes not only are preparation for CPS testing, but also provide valuable progress in a program of self-improvement for anyone in the secretarial field.

Registration forms may be obtained from Ellen Queener, CPS, ORGDP, extension 3-9568, or at her home, 482-2844.

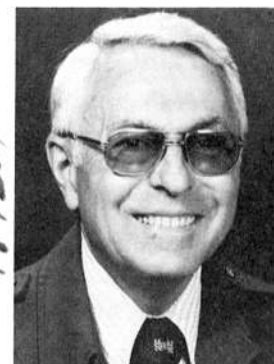
### Energy tips . . .

**FULL DISHWASHER**—Be sure the dishwasher is full, but not overloaded, before you turn it on. If every dishwasher user in the country cut out just one load a week, we could save the equivalent of about 9,000 barrels of oil each day (enough to heat 140,000 homes in winter).

## about people



Snodgrass



Hoy



Sne

**Ann V. Snodgrass**, Fusion Energy Division Protection Division, were recently granted Accountants (CPA).

Snodgrass has been with the Nuclear and financial advisor. She received her University of Tennessee, Knoxville, in 1978.

Snodgrass is a member of the American Women.

Gray, a nuclear materials manager in the Division in 1977. A U.S. Army veteran, accountant by Eaton Corporation, Campbellsville College in Campbellsville, Tennessee, Knoxville, in 1976.

Gray received his MBA degree in Tennessee, Knoxville, in 1976.

**Paul J. Long**, an engineer in Y-12's Plant, was elected a Fellow of the American Nuclear Society (ASNT). Fellows must have contributed to nondestructive testing and evaluation in engineering, science, education, administration, or industry. Long joined Union Carbide in 1951. He holds a BS in mechanical engineering from the University of Tennessee and an MS from the University of Tennessee. He is a professional engineer in the state of Tennessee and a member of the Oak Ridge section of the American Society of Mechanical Engineers, serving twice as its chairman. He is also a member of DOE's Interagency Mechanical Engineering Council.

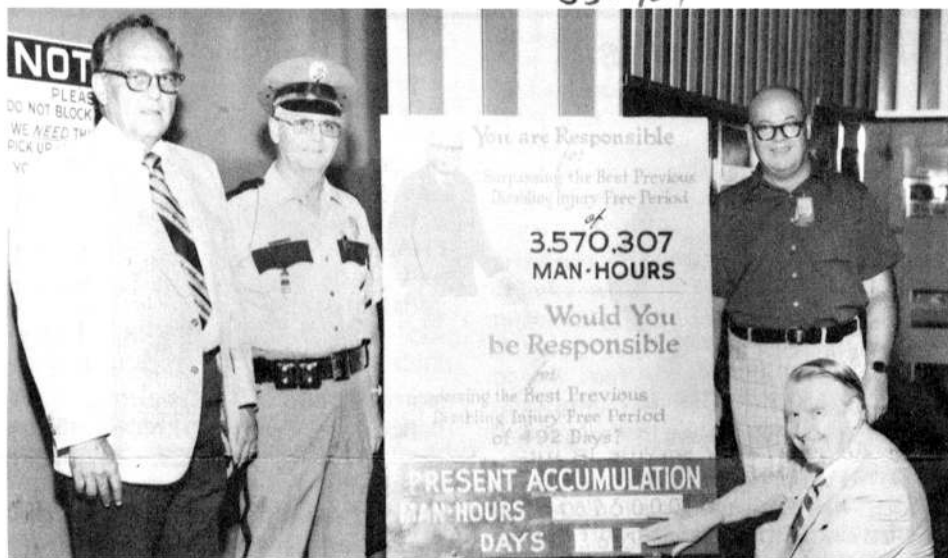
**Harry C. Hoy**, head of the Information Systems Division, was one of the co-recipients of the William H. Cameron Award, the first president of the National Safety Council, for his research and development work which took the honors for accomplishments in safety.

Hoy, an electrical engineer, has been working in the Thermonuclear (now Fusion) Division as a supervisor to serve as a Nuclear Division employee to serve as a safety activities carried out by secondary industrial conference.

The Cameron award was established in 1973. She and her husband moved to Knoxville.

**Dorothy B. Sneed**, a supervisor in Y-12, was elected president of the Oak Ridge Chapter of the American Institute of Chemical Engineers based on contributions to the chapter, the newly elected president of the Oak Ridge Chapter in 1978-79 year. She is the first woman to serve as president of the chapter, having served as secretary-treasurer, member of various other committees.

Sneed, a native of Cleveland, holds a degree in chemical engineering from the University of Tennessee. She worked with Tenneco Carbide in 1973. She and her husband moved to Knoxville.



**365 SAFE DAYS**—June 22 marked the end of one full year without a lost-time injury at the Paducah Gaseous Diffusion Plant. The plant has also accumulated four million man-hours without a lost-time injury surpassing a record set in 1956. From left are Hugh Coltharp, plant safety director; J. O. Dobson, United Plant Guard Workers of America local president; Jim Chestnut, Oil, Chemical and Atomic Workers local president; and Clayton Zerby, plant manager. The best previous record of days without a lost-time injury at the plant stands at 492.

## retirements



**L. Dow Brown**  
Laboratory Operations,  
Y-12  
34 years service



**Virgil Janoe**  
ORGDP Barrier  
33 years service



**Sloan Lambdin**  
Plant and Equipment  
ORNL  
25 years service



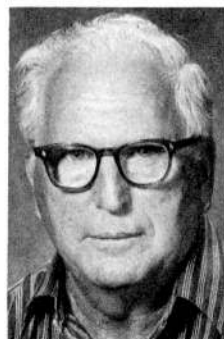
**Joseph O. Loggins**  
Y-12 Special Services  
30 years service



**William T. McDuffee Jr.**  
Chemical Technology  
ORNL  
26 years service



**Lester A. Myers Jr.**  
General Engineering  
ORNL  
33 years service



**Norman A. O'Neal**  
Y-12 Chemical Services  
32 years service



**George W. Peach**  
B-2 Assembly, Y-12  
34 years service



**Ernest R. Watkins**  
Y-12 Mechanical  
Engineering  
33 years service



**William O. Wells**  
Plant and Equipment  
ORNL  
24 years service



**Clarence O. Wolgamott**  
ORGDP Operations  
34 years service



**Richard C. Wood**  
ORGDP Finance, Materials  
and Services  
26 years service



## New SNT chapter formed at Paducah

A chapter of the American Society for Nondestructive Testing (ASNT) has been organized by a group of employees at the Paducah plant. The ASNT is an organization which is dedicated to the development and perpetuation of the highest standards of professional service and efficiency in the field of nondestructive testing.

Anyone from the Western Kentucky area with an interest in nondestructive testing is eligible to join the organization. Courses will be available to certify members in different levels of nondestructive testing by the ASNT through the Western Kentucky chapter which will officially receive its charter later this fall.

Anyone interested in membership in the ASNT should contact J. H. Armstrong or M. T. Spiceland in the Mechanical Inspection Department at PGDP.

## Two promoted in Engineering

The Engineering Division at ORGDP has announced two promotions: Charles R. Floyd has been named a cost estimator and Nathan J. Schulman has been appointed a reports analyst.

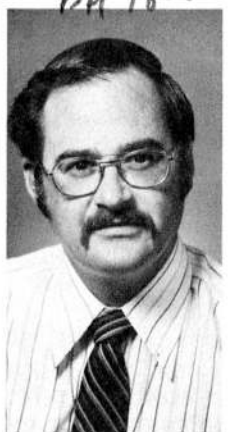
Floyd, a native of Sweetwater, has been with Union Carbide since 1969. He holds an AS from Roane State Community College and a BS from the University of Tennessee, and is a veteran of the U.S. Navy.

He and his wife, the former Susan Porter, live at 111 Placer Lane, Oak Ridge. They have six children, Stephen and Karen Floyd, and Scott, Michelle, Betsy and Sam Boswell.

Schulman, a native of Brooklyn, joined Union Carbide in 1969, after working at Cape Canaveral on the space and missile programs. He holds a BS in English from UT, earned on the job through the Carbide Educational Assistance Program. He is also doing graduate work in English.



Schulman



Floyd

He and his wife, the former Carole Atkins, live at 324 East Drive, Oak Ridge. They have three children, Erich, Bruce and Neil. Schulman is a senior member for the Society of Technical Communication, and serves as membership chairman of the East Tennessee Chapter.

## anniversaries ...

### ORNL

3753-78 35 YEARS 3760-78



Ball



Boyle



Fox



Singleton

**Juanita L. Ball**, a records clerk in the Information Division, joined Clinton Laboratories on August 20, 1943. She worked in the mail room and later assembled classified materials for the laboratory records department which she joined in 1951. Ball has worked in her present capacity since 1953.

A native of Jonesville, Va., she attended the University of Tennessee. Ball lives at 11173 Thornton Drive, Concord.

**John W. Boyle Jr.** joined the Chemistry Division of Clinton Laboratories on August 23, 1943. He remained in that division until 1976, when he became a research staff member in the Energy Division.

A native of Atlanta, Ga., Boyle holds BSE and MS degrees from Emory University. He and his wife, Claudine, have three children: Beverly, Becky and Bill. The Boyles live at 338 Crestview Road, Concord.

**Richard J. Fox**, an engineer in the Instrumentation and Controls Division, joined Clinton Laboratories in the Mechanical Division on August 24, 1943. He later worked as a shop supervisor before transferring to his present position in 1960. Before joining Carbide, he was employed at

the University of Chicago Metallurgical Laboratory.

Fox is a graduate of the University of Tennessee and holds membership in the Institute for Electrical and Electronics Engineers. A native of Chicago, he and his wife, Nancy, live at 945 West Outer Drive, Oak Ridge. They have two children, Barbara and Marion.

**William A. Singleton**, security clerk in the Laboratory Protection Division, joined E. I. duPont at ORNL on August 20, 1943, after serving in the U.S. Army.

He and his wife, Louise, employed in the Barrier Department at ORGDP, live at 106 Timothy Lane, Clinton. The Singletons have two children, Harold and Nancy.

### 30 YEARS

David G. Doherty, Biology; Russell D. Westbrook, Solid State; Paul J. Connelly, Plant and Equipment; and Meredith R. Hill, Metals and Ceramics.

### 25 YEARS

Clarence E. Zachary, Fred P. Jeffers, Marjorie B. White, Murray W. Rosenthal, Marvin E. Whatley, Charles D. Scott, Charles R. Boston and Anna R. Farris.

### 20 YEARS

Cyrus F. Zamzow, Baden C. Duggins, John T. Mihalcz and George W. Johnson.

### ORGDP

### 25 YEARS

James M. Campbell, Lilburn H. Hensley, Sidney M. Verble, John W. Steele Jr., Joan E. Cantrell, Dorthia C. Randolph, and Willie F. Tiller.

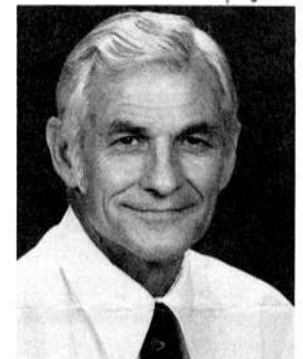
### PADUCAH

### 25 YEARS

Robert M. Nelson, E. Leroy Hall and Ruth J. Miller.

### Y-12 PLANT

35 YEARS 182067



Brown

**Kenneth F. Brown**, Y-12 Material Control, joined Tennessee Eastman August 5, 1943. A native of Chattanooga, he has attended the University of Tennessee. Brown lives at 6112 Sevierville Pike, Knoxville.

### 30 YEARS

Henry H. Nicholson, Special Services; and Marshall W. Rickard, ORNL Chemical Services.

### 25 YEARS

Lester R. Edwards, Vaughn D. Hendrickson, Joe Owens, June K. Stevens, Jessie N. Greer Jr., Laurence M. Brown, William A. Norman Jr. and Doyal G. Watson.

## Energy tips. . .

Here are some ways to reduce the amount of water flowing into an overloaded septic tank system:

- Fix leaky faucets and toilets.
- Use Waste basket, not toilet, for cigarette butts, facial tissue, etc. Each toilet flush uses 5-7 gallons of water.
- Use sink garbage disposal unit sparingly.

## safety scoreboard

Time worked without a lost-time accident through July 27:

Paducah.....	370 Days	4,713,000 Man-Hours
ORGDP.....	112 Days	3,728,200 Man-Hours
Y-12 Plant.....	106 Days	3,320,000 Man-Hours
ORNL.....	193 Days	4,158,233 Man-Hours

Division, and **Larry M. Gray**, Laboratory Assistant, earned certificates as Certified Public Accountant.

Gray joined the Accounting Division since 1977 as an accountant. He holds a BS degree in accounting from the University of Tennessee in 1974 and her MBA degree last year.

Gray is a member of the American Association of University Professors and a management specialist, joined the Nuclear Energy Division. He was previously employed as a cost estimator and as an assistant professor at the University of Tennessee.

Gray received his accounting from the University of Tennessee.

Gray, a member of the American Society for Nondestructive Testing, has been contributing to the "advancement of nondestructive testing in such areas as management, administration or planning. Long joined the ASNT through the University of Tennessee. He is a registered professional engineer, and was a charter member of the American Society for Nondestructive Testing. He has served on two national committees for Testing and Materials, and is a member of the Mechanical Operations Group.

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# recreationotes . . .

## Paducah golf. . .

Approximately 98 Paducah golfers met in heated competition at the Rolling Hills Country Club recently for the plant's July Scrabble. Stepping into the limelight was Carolyn Thurmond, who hit the day's longest drive on hole #18. Steve Angelly and Chris Mason shared the scrabble's predication prize by selecting the winning team and score.

Scoring a searing 6 under par beneath the glaring summer sun was the scrabble's championship team of Chris Mason, Byron Foust, D. D. Lee, Debbie Wells and Pat Karr. Close followers in second place were Jake Piercy, Rob Wilson, Jim Ballard and Betty Lester with a 66. Captain Van Bryant and team members Ed Bazzell, Don Korte and Georgetta Riddle captured the third place title. Archie Miller Jr. led golfers Steve Fenwick, Steve Angelly and Velva Blayne to a 5 under par for fourth place.

The plant's upcoming scrabble will be held at Paxton Park, August 12. Prizes are awarded to 10 places, nearest the pin and "pick the winner." Entry deadline is noon August 9.

## Carbide bowling. . .

### Western Plaza Mixed. . .

The Rackers lead the Western Plaza Summer Mixed League by five points over the Hard Times. Renchel Lowery of the Rackers now holds the high scratch series for men with 623. Jennifer Evans also of the Rackers holds the high scratch series for women with 541.

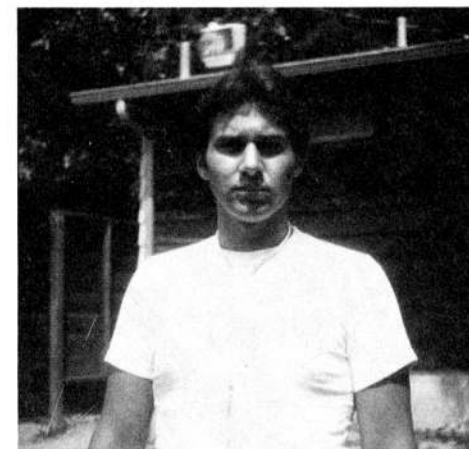
### Family Mixed. . .

The Turkeys have a 2-1/2 point lead over the Smooth Stokers in the Carbide Family Mixed Summer League as of the week of July 13. John Patton and Arnetta Johnson were the high scratch series bowlers of the week. Patton rolled a 625; while Johnson had a 567.

## Skeet league. . .

Alan VanHull, won the Skeet League recently with 48.313 points. Russell Allstun, was second with 48.145 points. John Basler, ORNL, came in third with 48.115 points.

## Meet lifeguards at the Park



**Gerrard Zanolli**  
Spring Hill College  
communications major



**Jim Bartholomew**  
University of Tennessee  
political science major



**Shelia Hurt**  
Tennessee Wesleyan  
on basketball scholarship

## NUCLEAR DIVISION NEWS

UNION CARBIDE CORPORATION  
NUCLEAR DIVISION

Post Office Box Y  
Oak Ridge, Tenn. 37830



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INTERNATIONAL  
ASSOCIATION  
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### ORGDP

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### PADUCAH

Darlene McPherson, Bell 208

## Tee-Off Time Application for August 26, 1978

(Check Appropriate Plant)

- ☐ ORGDP—Dead Horse Lake  
☐ Y-12—Wallace Hills  
☐ ORNL—Southwest Point



1. \_\_\_\_\_ Leader
2. \_\_\_\_\_ Phone \_\_\_\_\_
3. \_\_\_\_\_ Bldg. \_\_\_\_\_
4. \_\_\_\_\_ Tee-Time \_\_\_\_\_

## COMPLETE AND RETURN TO THE Y-12 RECREATION OFFICE BUILDING 9711-5, MS-001

Entries must be received prior to drawing on August 23.

Tee-off times for all tournaments will be drawn on Wednesdays prior to each Saturday's tournament. Golfers are responsible for reserving their own carts by contacting the pro shop following drawing for tee-off times. Please call the Recreation Department, 3-5833, after 3 p.m., Wednesday for your time.

## Softball leagues. . .

Competition in the four Softball leagues is almost as hot as the weather recently. . . as four top-seated teams still boast perfect records.

League standings follow:

### EAST DIVISION

TEAM	WON	LOST
Streakers	9	0
Howie's Scooby-Doos	8	2
Fed's II	7	2
Forty-Niners	7	3
Luda Loptas	6	3
Coneheads	6	3
Fed's I	7	4
Paperback Riders	5	3
Mother's Sluggers	5	4
Tom's Turkeys	5	6
Crippled Turkeys	4	6
Gauss House Gang	4	6
Odds 'n Ends	3	7
Uptowners	2	7
Skinks	2	7
Spastics	1	8
Critters	1	9

### WEST DIVISION

TEAM	WON	LOST
Fes-Kids	9	0
Killer Bees	10	1
Bear Creek All Stars	8	1
Knockers	8	2
Softball Team	8	3
Fly Swatters	7	3
Master Batters	7	3
Pits	4	5
Bombers	4	5
Wild Turkeys	4	6
Quads	3	5
Stonefingers	2	7
Rhythm & Blues	2	7
Nit-Wits	2	7
Brinks	1	7
Spitballs	1	8
Lynch Mob	0	9

### SOUTH DIVISION

TEAM	WON	LOST
Shifters	11	0
Hawgs	9	1
B. T. Express	7	3
Gas-House Gang	6	4
Apeats	6	4
The A's	5	4
Bruins	5	5
ESD Pits	4	5
Electric Bananas	4	6
Thunderdogs	4	7
Artie's Army	3	7
Streaking Stokers	2	7
Ole Ruff & Ready Gang	0	10

### NORTH DIVISION

TEAM	WON	LOST
Snakes	9	1
War Hogs	9	2
Lasers	8	3
Supersonics	8	3
ESD YoYo's	6	4
Over-The-Hill-Gang	6	6
Barrier Clowns	5	5
Prime Time Players	5	6
Short Circuits	3	7
Bio-Rejects	3	7
Onagers	2	7
Gross Encounters	2	8
Bad News Barriers	2	9

## Energy tips. . .

As summer wanes, consider the advantages of installing awnings on the windows on the sunny sides of your house. When lowered during the day, awnings can reduce solar heat gain by as much as 80 percent.

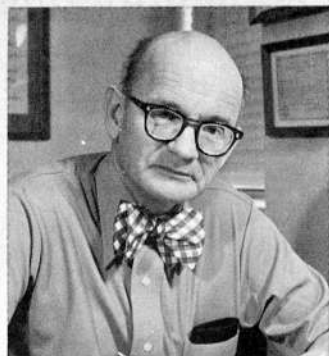
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Don't let the gas station attendant "top-off" your tank by filling it to the brim after the nozzle's automatic shutoff stops the flow. This often results in overflow and a waste of gasoline. Also, in warmer weather some space should be left in the tank for expansion.

## Next issue. . .

The next issue will be dated August 17. The deadline is August 9.





## Periodic physicals: To be... or not?

by T. A. Lincoln, M.D.

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 20, Y-12, or call the news editor in your plant, and give him or her your question on the telephone.)

In July 25, 1976, issue of **The New York Times**, Dr. Richard Spark, associate clinical professor of medicine at Harvard University, severely criticized periodic physical examinations. In an article titled "The Case Against Regular Physicals" Dr. Spark said, in essence, that they were not worth the time, money or effort. The May 15, 1978, issue of **Medical World News** carried an article "Pound of Prevention; Ounce of Cure" which concluded, "Although many corporations and the military still believe in annual physicals, it seems clear their days are numbered." In the face of such attacks, a reply is needed by someone who still feels that these examinations are valuable.

### Limitations of exams

The many limitations of periodic examinations are conceded. Although some laboratory tests on blood and urine are more valuable than others, all have problems. The body has a remarkable capacity to keep the levels of many of the constituents of the blood within normal limits even though a significant chronic disease has begun. Because of the variations in people, there is a wide range of normal values for many laboratory tests. What is normal for one person could be abnormal for another.

Even when various tests have been performed regularly for years, it is sometimes difficult to detect early trends toward abnormalities. Some tests vary from day to day or are influenced by diet, exercise or medicines. As a consequence, laboratory screening is neither as sensitive nor as specific as needed. There are too many false positives (the test is positive when no disease is present) or false negatives (the test is negative when disease is present).

Some critics warn that individuals who have been pronounced healthy at the time of an examination may ignore important new symptoms which develop soon after. Others complain that finding a disease process early does no good unless something can be done to delay or stop it. The costs of finding an occasional cancer or early heart disease are also too high. The expense for adequate investigation of every abnormality is too great. Patients

often complain when a thorough investigation of an abnormality uncovers no disease!

### Versus benefits

Now let us look at some of the benefits of periodic examinations. In many cases, a disease can either be detected before it has produced significant symptoms, or at least early enough so that a treatment program can be initiated. Often it will be possible to cure the disease, prevent its progression or, at least, allow better planning for future alleviation. Even when nothing is found, the examination often separates the "worried well" from the sick and, thereby, provides significant reassurance. It gives the healthy patient an opportunity to establish a relationship with a physician.

If minor but nagging symptoms develop before the next scheduled examination, the patient will be more likely to seek advice early. Often personal or work-related problems are found, and a course of action initiated to remedy them. The examination is the needed stimulus to overcome procrastination and get things moving.

Periodic examinations help to measure the health and safety "fitness" for work and recreation. They are now required by federal regulations for many workers exposed to certain toxic chemicals or physical stresses such as radiation, noise or heat.

Periodic examinations enable the accumulation of data for epidemiological research. To detect subtle increases in diseases in people working or living in certain environments, consuming specific foods or drugs or following various life styles, it is necessary to follow the health experience of large numbers of people. The one-on-one doctor-patient relationship will almost never detect these associations.

### Patients' attitudes

Where periodic examinations have made their greatest contribution is also where they have failed. Hundreds of studies have been conducted using information from periodic examinations to determine individuals who have certain findings and then later develop a specific disease. These findings are called risk factors. A long list of risk factors has been developed. Individuals who



FLOWERS AND FRILLS—A little girl's fascination with a spring dogwood blossom is one of many entries to be on display in the upcoming PGDP photo contest. Photographs must be entered by September 15 for subsequent judging. Gift certificates will be awarded in each of nine different categories.

...Photo by Larry Hoover

## Annual photo contest, exhibit set at Paducah; deadline September 15

The annual Paducah Plant photo contest/exhibit is underway again this year. Posters, complete with the contest rules and application forms, have been distributed throughout the plant. Mat board for mounting photos is available in the Personnel Office in C-100.

The contest includes large and small format divisions with categories

such as people, places, things, animals, etc. All photographs must be in color, mounted, titled and turned in at the Personnel Office by September 15 for subsequent judging and display.

Gift certificates will be awarded in each category and winners will also be displayed at various points in Paducah.

have them may be able to change their life style or environment, thereby preventing or delaying the onset of the disease.

Unfortunately, too many patients will not, or cannot comply with a physician's recommendations. Unless patients are willing to make significant changes in their life styles, learning about increased risks accomplishes little.

Specialists in preventive medicine now realize that patients have to be "taken by the hand" and started in life style change programs. For example, smoking needs to be stopped, diet needs to be changed, more exercise needs to be developed, etc. Paramedical technicians or nurses and interested lay people often are far more effective in educating and motivating patients than physicians. Patience and persistence are essential.

Control or elimination of risk factors cannot only prevent or delay the onset of many diseases, but can improve the quality of life. Ideally,

the changes should be started fairly early in life, but even when made in middle age, life style changes can have benefit.

The basic idea of periodic physical examinations is not the problem. The difficulty is that the "state of the art" is not developed far enough to be really effective. Tests must be made more sensitive and specific. Ways must be found to safely stress various organ systems so defects can be detected early, before tissue reserves are used up. Ways must be found to help people change life styles when necessary, and in a way which will lead to a better quality of life.

Maybe we shouldn't waste our efforts on everybody. Probably we should concentrate on those who are at increased risk and leave the normal healthy individuals to a less frequent examination program. Abandoning the idea as a "waste of time" seems to be an admission of helplessness which does not dignify the medical profession.



## Five promotions announced at Paducah



Fields



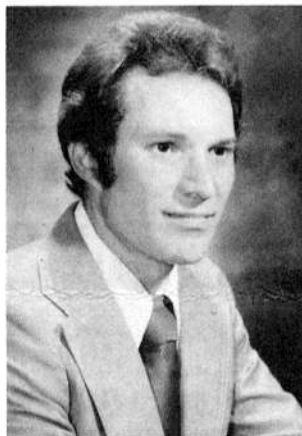
Gibson



Pease



Smith



Wilson

The Paducah plant has promoted James B. Smith to maintenance coordinator, Maintenance Division; Ray Fields to Engineering Services supervisor, Fabrication and Maintenance Division; Jessie A. Pease Jr. to supervisor, Fabrication and Maintenance Division; Ronald R. Wilson to supervisor, Fabrication and Maintenance Division; and Guy N. Gibson to inspector, Engineering Division.

Smith is a native of McCracken County and joined PGDP in 1951 as a maintenance mechanic. He was then promoted to supervisor and later to assistant general supervisor. He is a Navy veteran and a graduate of the Navy and International Correspondence Schools. Smith and his wife, Dorothy, have four children, Nancy, Clyde, Betty and James. Smith lives on Martin Circle, Paducah.

Fields received a BS in mechanical engineering from the Indiana Institute of Technology and joined the Nuclear Division in 1967. He was previously employed by Pratt and Whitney Aircraft, West Palm Beach, Fla. Fields is a native of Central City, Ky. and has worked as a PEM coordinator in the fabrication shops and a maintenance engineer at Paducah. He lives on Sanders Avenue, Paducah. He and his wife, Mikel, have four children, Susan, Carol, Larry and Jackie.

Pease is a native of Graves County, Ky. He was formerly employed by Modine Manufacturing of Paducah and GAF Corporation of Calvert City, Ky. Pease was employed by Union Carbide from 1952 to 1964 and rehired in 1977. He has worked in the Plant Services Department and Chemical Operations. Pease's wife, Lavon, works in the order section of the plant's Maintenance Division. Pease and his wife reside on Gum

Springs Road, Paducah. They have one daughter, Jana.

Wilson attended Paducah Community College and the University of Kentucky. He joined PGDP in May, 1976. He was previously employed by Parrott, Ely and Hunt Consulting Engineers, Lexington, Ky. and Jack Gray and Associates Consulting Engineers. Wilson has also worked in the compressor shop at the Paducah plant. Wilson resides on Donna Lane, Paducah.

Gibson is a native of Ballard County, Ky. and joined Union Carbide in January, 1977. Gibson was previously employed by CTS of Paducah. At the Paducah plant, he has worked in the stores section of the Materials Department. Gibson resides on Route 3, Kevil, Ky. He and his wife, Patricia, have three children, Norman, Dana and Carrie.

## Larry Brasel named cascade supervisor



Larry E. Brasel has been named cascade supervisor in the Operations Division at ORGDP. He joined Union Carbide in 1970.

The Rockwood native and his wife, Jewell, live at 733 Montvue Road, Kingston. They have three children, Detra, Pam and James.

## Employee goes to prison

(Continued from page 2)

"and it's very difficult to handle freedom on the outside."

Copeland has given the inmates much of himself—not only his time and effort—but also clothing, incidentals and most recently supplies for a struggling art club and 10 stimulated "artists in residence."

A 45-year-old armed robber serving a life sentence at the prison is president of the club. "Before Don Copeland, all we had to work with

were a few bent tubes of paint and 'bedsheet canvas.' It's really a great feeling to know he cares enough even to buy some of the supplies with his own money," the inmate added gratefully.

Copeland's work at the prison and his observations of the state penal system have been noted by several regional newspapers in the Commonwealth. But Copeland isn't "in it for the exposure," he's in it because he cares.

## wanted...

### ORNL

VAN POOL RIDERS from West Knoxville, I-40, Papermill Road exit area, 8:15-4:45. Ray Pearson, plant phone 3-1805, home phone 588-9949.

CAR POOL or RIDE from West Hills area, Knoxville, to East Portal, 8-4:30. Kyle Johnson, home phone 584-6319.

RIDE WANTED from West Town Estates or Francis Road, Knoxville, to East Portal, straight days. Brad Weil, plant phone 3-0448, home phone 693-7503.

RIDE ONLY from Lovell Road, West Knoxville area, to East Portal, straight days. Cindy Cook, plant phone 3-1495, home phone 966-5031.

### Y-12 PLANT

CAR POOL MEMBERS wanted from vicinity of Middlebrook Pike or Papermill Road exits, I-40, Knoxville, to any portal, straight days. Ginny Nelson, plant extension 3-5931, home Knoxville 588-6752.

VAN POOL RIDERS from Farragut, Concord areas, to Bear Creek Portal, straight day. Ed Abercrombie, plant phone 3-5719, home phone 966-3487.

### ORGDP


RIDE from Woodland area or intersection of Illinois and Rutgers, to Portal 4 or 1, straight days. M. D. Myers, plant phone 3-3206, home phone 483-9763.

VAN POOL RIDERS from Karns area, to any portal, straight days. Tom Lemons, plant phone 3-9870, home phone 947-8959.



SEEING IS BELIEVING—J. G. Gurganious, a pipefitter in the Plant and Equipment Division, has performed this routine tube cutting hundreds of times while working at ORNL. However, it was less than routine when a three-inch length of zircalloy tubing flipped back to punch a quarter-inch hole in the right lens of his safety glasses. If seeing is believing, this rare incident proves safety should be part of everyone's routine.





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